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This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

**WORK ORDER #: 0510381**

Work Order Summary

**CLIENT:** Mr. Demian Wincele  
ERM-West  
2525 Natomas Park Drive  
Suite 350  
Sacramento, CA 95833

**BILL TO:** Mr. Dave McCready  
Aerojet  
Bldg.2001 Dept. 0330  
PO Box 13222  
Sacramento, CA 95813

**PHONE:** 916-924-9378  
**P.O. #**

**FAX:** 916-924-5313  
**PROJECT #** Aerojet - PGOU Area 49

**DATE RECEIVED:** 10/20/2005  
**CONTACT:** Nicole Danbacher

**DATE COMPLETED:** 11/02/2005

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	GET D-SV04	Modified TO-14A	5.0 "Hg
01AA	GET D-SV04 Duplicate	Modified TO-14A	5.0 "Hg
02A	GET D-SV03	Modified TO-14A	4.0 "Hg
03A	GET D-SV02	Modified TO-14A	5.0 "Hg
04A	Lab Blank	Modified TO-14A	NA
05A	CCV	Modified TO-14A	NA
06A	LCS	Modified TO-14A	NA

CERTIFIED BY: 

Laboratory Director

DATE: 11/03/05

Certification numbers: AR DEQ - 03-084-0, CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004  
NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,  
Accreditation number: E87680, Effective date: 07/01/05, Expiration date: 06/30/06

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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**LABORATORY NARRATIVE**  
**Modified TO-14A**  
**ERM-West**  
**Workorder# 0510381**

Three 1 Liter Silonite Canister samples were received on October 20, 2005. The laboratory performed analysis via modified EPA Method TO-14A using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis. See the data sheets for the reporting limits for each compound.

Method modifications taken to run these samples include:

<i>Requirement</i>	<i>TO-14A/TO-15</i>	<i>ATL Modifications</i>
Continuing Calibration criteria	+/- 30% Difference	<= 30% Difference with two allowed out to <= 40% Difference; flag and narrate outliers
Initial Calibration criteria	RSD<30% (TO-14A)	RSD<=30%, two compounds allowed up to 40%.
Moisture control	Nafion Dryer (TO-14A)	Multisorbent trap
Blank acceptance criteria	<0.20 ppbv (TO-14A)	<Reporting Limit
Primary ions for Quantification	Freon 114: 85, Carbon Tetrachloride: 117, Trichloroethene: 130, Ethyl Benzene, m,p- and o-Xylene: 91, Vinyl Acetate: 43, 2-Butanone: 43, 4-Methyl-2-Pentanone: 43.	Freon 114: 135, Carbon Tetrachloride: 119, Trichloroethene: 95, Ethyl Benzene, m,p- and o-Xylene: 106, Vinyl Acetate: 86, 2-Butanone: 72, 4-Methyl-2-Pentanone: 58.
Dilutions for Initial Calibration	Dynamic dilutions or static using canisters	Syringe dilutions
BFB absolute abundance criteria	Within 10% of that from previous day. (TO-14A)	CCV internal standard area counts are compared to ICAL, corrective action for > 40% D.
Sample Load Volume	400 mL (TO-14A)	Varied to 200 mL
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Concentration of IS Spike.	10 ppbv (TO-15)	25 ppbv.
BFB Abundance	CLP Protocol (TO-15)	SW-846 Protocol
IS Recoveries.	Within 40% of mean over ICAL for blanks, and within 40% of daily CCV for samples. (TO-15)	Within 40% of CCV recoveries for blanks and samples.

**Receiving Notes**

There were no receiving discrepancies.

### **Analytical Notes**

The reported CCV for each daily batch may be derived from more than one analytical file due to the client's request for non-standard compounds.

Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15 compound list as per contract or verbal agreement.

The reported LCS for each daily batch has been derived from more than one analytical file.

### **Definition of Data Qualifying Flags**

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

# AIR TOXICS LTD.

## Summary of Detected Compounds MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

Client Sample ID: GET D-SV04

Lab ID#: 0510381-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 113	1.2	1.2	9.4	9.4
Acetone	4.9	14	12	33
2-Propanol	4.9	12	12	31
Carbon Disulfide	1.2	4.3	3.8	13
Hexane	1.2	2.6	4.3	9.2
2-Butanone (Methyl Ethyl Ketone)	1.2	2.4	3.6	7.0
Benzene	1.2	2.1	3.9	6.8
Heptane	1.2	1.3	5.0	5.2
Toluene	1.2	12	4.6	44
Tetrachloroethene	1.2	3.4	8.3	23
Ethyl Benzene	1.2	2.4	5.3	10
m,p-Xylene	1.2	9.2	5.3	40
o-Xylene	1.2	3.0	5.3	13
4-Ethyltoluene	1.2	2.2	6.0	11
1,2,4-Trimethylbenzene	1.2	1.8	6.0	8.9

Client Sample ID: GET D-SV04 Duplicate

Lab ID#: 0510381-01AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	4.9	13	12	30
2-Propanol	4.9	12	12	30
Carbon Disulfide	1.2	4.3	3.8	13
Hexane	1.2	2.6	4.3	9.1
2-Butanone (Methyl Ethyl Ketone)	1.2	2.3	3.6	6.9
Benzene	1.2	2.1	3.9	6.8
Toluene	1.2	12	4.6	43
Tetrachloroethene	1.2	3.6	8.3	24
Ethyl Benzene	1.2	2.5	5.3	11
m,p-Xylene	1.2	9.4	5.3	41
o-Xylene	1.2	2.9	5.3	13
4-Ethyltoluene	1.2	2.2	6.0	11
1,2,4-Trimethylbenzene	1.2	1.7	6.0	8.6

Client Sample ID: GET D-SV03

Lab ID#: 0510381-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	4.7	24	11	57

**Client Sample ID: GET D-SV03**

**Lab ID#: 0510381-02A**

2-Propanol	4.7	16	11	39
Carbon Disulfide	1.2	6.5	3.6	20
Hexane	1.2	1.3	4.1	4.7
2-Butanone (Methyl Ethyl Ketone)	1.2	7.3	3.4	22
Benzene	1.2	1.9	3.7	6.2
Toluene	1.2	12	4.4	47
Ethyl Benzene	1.2	2.7	5.0	12
m,p-Xylene	1.2	10	5.0	44
o-Xylene	1.2	3.0	5.0	13
4-Ethyltoluene	1.2	2.4	5.7	12
1,2,4-Trimethylbenzene	1.2	2.0	5.7	10

**Client Sample ID: GET D-SV02**

**Lab ID#: 0510381-03A**

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (uG/m3)</b>	<b>Amount (uG/m3)</b>
Acetone	4.8	42	11	99
2-Propanol	4.8	18	12	46
Carbon Disulfide	1.2	1.4	3.8	4.5
Hexane	1.2	1.5	4.3	5.3
2-Butanone (Methyl Ethyl Ketone)	1.2	5.5	3.6	16
Benzene	1.2	2.2	3.9	7.0
Toluene	1.2	11	4.6	42
Ethyl Benzene	1.2	2.4	5.2	10
m,p-Xylene	1.2	9.9	5.2	43
o-Xylene	1.2	3.2	5.2	14
4-Ethyltoluene	1.2	2.6	5.9	12
1,2,4-Trimethylbenzene	1.2	2.2	5.9	10

# AIR TOXICS LTD.

Client Sample ID: GET D-SV04

Lab ID#: 0510381-01A

## MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

<b>File Name:</b>	<b>5102913</b>	<b>Date of Collection:</b>	<b>10/20/05</b>
<b>Dil. Factor:</b>	<b>2.44</b>	<b>Date of Analysis:</b>	<b>10/29/05 03:07 PM</b>

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (uG/m3)</b>	<b>Amount (uG/m3)</b>
Freon 12	1.2	Not Detected	6.0	Not Detected
Freon 114	1.2	Not Detected	8.5	Not Detected
Chloromethane	4.9	Not Detected	10	Not Detected
Vinyl Chloride	1.2	Not Detected	3.1	Not Detected
1,3-Butadiene	1.2	Not Detected	2.7	Not Detected
Bromomethane	1.2	Not Detected	4.7	Not Detected
Chloroethane	1.2	Not Detected	3.2	Not Detected
Freon 11	1.2	Not Detected	6.8	Not Detected
Ethanol	4.9	Not Detected	9.2	Not Detected
Freon 113	1.2	1.2	9.4	9.4
1,1-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Acetone	4.9	14	12	33
2-Propanol	4.9	12	12	31
Carbon Disulfide	1.2	4.3	3.8	13
3-Chloropropene	4.9	Not Detected	15	Not Detected
Methylene Chloride	1.2	Not Detected	4.2	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.4	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Hexane	1.2	2.6	4.3	9.2
1,1-Dichloroethane	1.2	Not Detected	4.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.2	2.4	3.6	7.0
cis-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.6	Not Detected
Chloroform	1.2	Not Detected	6.0	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Cyclohexane	1.2	Not Detected	4.2	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.7	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.7	Not Detected
Benzene	1.2	2.1	3.9	6.8
1,2-Dichloroethane	1.2	Not Detected	4.9	Not Detected
Heptane	1.2	1.3	5.0	5.2
Trichloroethene	1.2	Not Detected	6.6	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.6	Not Detected
1,4-Dioxane	4.9	Not Detected	18	Not Detected
Bromodichloromethane	1.2	Not Detected	8.2	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	5.0	Not Detected
Toluene	1.2	12	4.6	44
trans-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Tetrachloroethene	1.2	3.4	8.3	23
2-Hexanone	4.9	Not Detected	20	Not Detected

# AIR TOXICS LTD.

Client Sample ID: GET D-SV04

Lab ID#: 0510381-01A

## MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	5102913	Date of Collection:	10/20/05
Dil. Factor:	2.44	Date of Analysis:	10/29/05 03:07 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.4	Not Detected
Chlorobenzene	1.2	Not Detected	5.6	Not Detected
Ethyl Benzene	1.2	2.4	5.3	10
m,p-Xylene	1.2	9.2	5.3	40
o-Xylene	1.2	3.0	5.3	13
Styrene	1.2	Not Detected	5.2	Not Detected
Bromoform	1.2	Not Detected	13	Not Detected
Cumene	1.2	Not Detected	6.0	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.4	Not Detected
Propylbenzene	1.2	Not Detected	6.0	Not Detected
4-Ethyltoluene	1.2	2.2	6.0	11
1,3,5-Trimethylbenzene	1.2	Not Detected	6.0	Not Detected
1,2,4-Trimethylbenzene	1.2	1.8	6.0	8.9
1,3-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.3	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,2,4-Trichlorobenzene	4.9	Not Detected	36	Not Detected
Hexachlorobutadiene	4.9	Not Detected	52	Not Detected
1,1-Difluoroethane	4.9	Not Detected	13	Not Detected

**Container Type: 1 Liter Silonite Canister**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	85	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	102	70-130

# AIR TOXICS LTD.

Client Sample ID: GET D-SV04 Duplicate

Lab ID#: 0510381-01AA

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

<b>File Name:</b>	<b>5102914</b>	<b>Date of Collection:</b>	<b>10/20/05</b>
<b>Dil. Factor:</b>	<b>2.44</b>	<b>Date of Analysis:</b>	<b>10/29/05 03:37 PM</b>

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (uG/m3)</b>	<b>Amount (uG/m3)</b>
Freon 12	1.2	Not Detected	6.0	Not Detected
Freon 114	1.2	Not Detected	8.5	Not Detected
Chloromethane	4.9	Not Detected	10	Not Detected
Vinyl Chloride	1.2	Not Detected	3.1	Not Detected
1,3-Butadiene	1.2	Not Detected	2.7	Not Detected
Bromomethane	1.2	Not Detected	4.7	Not Detected
Chloroethane	1.2	Not Detected	3.2	Not Detected
Freon 11	1.2	Not Detected	6.8	Not Detected
Ethanol	4.9	Not Detected	9.2	Not Detected
Freon 113	1.2	Not Detected	9.4	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Acetone	4.9	13	12	30
2-Propanol	4.9	12	12	30
Carbon Disulfide	1.2	4.3	3.8	13
3-Chloropropene	4.9	Not Detected	15	Not Detected
Methylene Chloride	1.2	Not Detected	4.2	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.4	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Hexane	1.2	2.6	4.3	9.1
1,1-Dichloroethane	1.2	Not Detected	4.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.2	2.3	3.6	6.9
cis-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.6	Not Detected
Chloroform	1.2	Not Detected	6.0	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Cyclohexane	1.2	Not Detected	4.2	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.7	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.7	Not Detected
Benzene	1.2	2.1	3.9	6.8
1,2-Dichloroethane	1.2	Not Detected	4.9	Not Detected
Heptane	1.2	Not Detected	5.0	Not Detected
Trichloroethene	1.2	Not Detected	6.6	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.6	Not Detected
1,4-Dioxane	4.9	Not Detected	18	Not Detected
Bromodichloromethane	1.2	Not Detected	8.2	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	5.0	Not Detected
Toluene	1.2	12	4.6	43
trans-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Tetrachloroethene	1.2	3.6	8.3	24
2-Hexanone	4.9	Not Detected	20	Not Detected

# AIR TOXICS LTD.

Client Sample ID: GET D-SV04 Duplicate

Lab ID#: 0510381-01AA

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	5102914	Date of Collection:	10/20/05
Dil. Factor:	2.44	Date of Analysis:	10/29/05 03:37 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.4	Not Detected
Chlorobenzene	1.2	Not Detected	5.6	Not Detected
Ethyl Benzene	1.2	2.5	5.3	11
m,p-Xylene	1.2	9.4	5.3	41
o-Xylene	1.2	2.9	5.3	13
Styrene	1.2	Not Detected	5.2	Not Detected
Bromoform	1.2	Not Detected	13	Not Detected
Cumene	1.2	Not Detected	6.0	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.4	Not Detected
Propylbenzene	1.2	Not Detected	6.0	Not Detected
4-Ethyltoluene	1.2	2.2	6.0	11
1,3,5-Trimethylbenzene	1.2	Not Detected	6.0	Not Detected
1,2,4-Trimethylbenzene	1.2	1.7	6.0	8.6
1,3-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.3	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,2,4-Trichlorobenzene	4.9	Not Detected	36	Not Detected
Hexachlorobutadiene	4.9	Not Detected	52	Not Detected
1,1-Difluoroethane	4.9	Not Detected	13	Not Detected

**Container Type: 1 Liter Silonite Canister**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	82	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	103	70-130

# AIR TOXICS LTD.

Client Sample ID: GET D-SV03

Lab ID#: 0510381-02A

## MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

<b>File Name:</b>	<b>5102912</b>	<b>Date of Collection:</b>	<b>10/20/05</b>
<b>Dil. Factor:</b>	<b>2.33</b>	<b>Date of Analysis:</b>	<b>10/29/05 02:37 PM</b>

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (uG/m3)</b>	<b>Amount (uG/m3)</b>
Freon 12	1.2	Not Detected	5.8	Not Detected
Freon 114	1.2	Not Detected	8.1	Not Detected
Chloromethane	4.7	Not Detected	9.6	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Bromomethane	1.2	Not Detected	4.5	Not Detected
Chloroethane	1.2	Not Detected	3.1	Not Detected
Freon 11	1.2	Not Detected	6.5	Not Detected
Ethanol	4.7	Not Detected	8.8	Not Detected
Freon 113	1.2	Not Detected	8.9	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Acetone	4.7	24	11	57
2-Propanol	4.7	16	11	39
Carbon Disulfide	1.2	6.5	3.6	20
3-Chloropropene	4.7	Not Detected	14	Not Detected
Methylene Chloride	1.2	Not Detected	4.0	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.2	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Hexane	1.2	1.3	4.1	4.7
1,1-Dichloroethane	1.2	Not Detected	4.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.2	7.3	3.4	22
cis-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.4	Not Detected
Chloroform	1.2	Not Detected	5.7	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.4	Not Detected
Cyclohexane	1.2	Not Detected	4.0	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.3	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.4	Not Detected
Benzene	1.2	1.9	3.7	6.2
1,2-Dichloroethane	1.2	Not Detected	4.7	Not Detected
Heptane	1.2	Not Detected	4.8	Not Detected
Trichloroethene	1.2	Not Detected	6.3	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.4	Not Detected
1,4-Dioxane	4.7	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	7.8	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.3	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.8	Not Detected
Toluene	1.2	12	4.4	47
trans-1,3-Dichloropropene	1.2	Not Detected	5.3	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.4	Not Detected
Tetrachloroethene	1.2	Not Detected	7.9	Not Detected
2-Hexanone	4.7	Not Detected	19	Not Detected

# AIR TOXICS LTD.

Client Sample ID: GET D-SV03

Lab ID#: 0510381-02A

## MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	5102912	Date of Collection:	10/20/05
Dil. Factor:	2.33	Date of Analysis:	10/29/05 02:37 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Dibromochloromethane	1.2	Not Detected	9.9	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.0	Not Detected
Chlorobenzene	1.2	Not Detected	5.4	Not Detected
Ethyl Benzene	1.2	2.7	5.0	12
m,p-Xylene	1.2	10	5.0	44
o-Xylene	1.2	3.0	5.0	13
Styrene	1.2	Not Detected	5.0	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.7	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.0	Not Detected
Propylbenzene	1.2	Not Detected	5.7	Not Detected
4-Ethyltoluene	1.2	2.4	5.7	12
1,3,5-Trimethylbenzene	1.2	Not Detected	5.7	Not Detected
1,2,4-Trimethylbenzene	1.2	2.0	5.7	10
1,3-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.0	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
1,2,4-Trichlorobenzene	4.7	Not Detected	34	Not Detected
Hexachlorobutadiene	4.7	Not Detected	50	Not Detected
1,1-Difluoroethane	4.7	Not Detected	12	Not Detected

**Container Type: 1 Liter Silonite Canister**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	84	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	104	70-130

# AIR TOXICS LTD.

Client Sample ID: GET D-SV02

Lab ID#: 0510381-03A

## MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

<b>File Name:</b>	<b>5102911</b>	<b>Date of Collection:</b>	<b>10/20/05</b>
<b>Dil. Factor:</b>	<b>2.42</b>	<b>Date of Analysis:</b>	<b>10/29/05 02:08 PM</b>

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (uG/m3)</b>	<b>Amount (uG/m3)</b>
Freon 12	1.2	Not Detected	6.0	Not Detected
Freon 114	1.2	Not Detected	8.4	Not Detected
Chloromethane	4.8	Not Detected	10	Not Detected
Vinyl Chloride	1.2	Not Detected	3.1	Not Detected
1,3-Butadiene	1.2	Not Detected	2.7	Not Detected
Bromomethane	1.2	Not Detected	4.7	Not Detected
Chloroethane	1.2	Not Detected	3.2	Not Detected
Freon 11	1.2	Not Detected	6.8	Not Detected
Ethanol	4.8	Not Detected	9.1	Not Detected
Freon 113	1.2	Not Detected	9.3	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Acetone	4.8	42	11	99
2-Propanol	4.8	18	12	46
Carbon Disulfide	1.2	1.4	3.8	4.5
3-Chloropropene	4.8	Not Detected	15	Not Detected
Methylene Chloride	1.2	Not Detected	4.2	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.4	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Hexane	1.2	1.5	4.3	5.3
1,1-Dichloroethane	1.2	Not Detected	4.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.2	5.5	3.6	16
cis-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.6	Not Detected
Chloroform	1.2	Not Detected	5.9	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Cyclohexane	1.2	Not Detected	4.2	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.6	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.6	Not Detected
Benzene	1.2	2.2	3.9	7.0
1,2-Dichloroethane	1.2	Not Detected	4.9	Not Detected
Heptane	1.2	Not Detected	5.0	Not Detected
Trichloroethene	1.2	Not Detected	6.5	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.6	Not Detected
1,4-Dioxane	4.8	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	8.1	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	5.0	Not Detected
Toluene	1.2	11	4.6	42
trans-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Tetrachloroethene	1.2	Not Detected	8.2	Not Detected
2-Hexanone	4.8	Not Detected	20	Not Detected

# AIR TOXICS LTD.

Client Sample ID: GET D-SV02

Lab ID#: 0510381-03A

## MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	5102911	Date of Collection: 10/20/05
Dil. Factor:	2.42	Date of Analysis: 10/29/05 02:08 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.3	Not Detected
Chlorobenzene	1.2	Not Detected	5.6	Not Detected
Ethyl Benzene	1.2	2.4	5.2	10
m,p-Xylene	1.2	9.9	5.2	43
o-Xylene	1.2	3.2	5.2	14
Styrene	1.2	Not Detected	5.2	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.9	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.3	Not Detected
Propylbenzene	1.2	Not Detected	5.9	Not Detected
4-Ethyltoluene	1.2	2.6	5.9	12
1,3,5-Trimethylbenzene	1.2	Not Detected	5.9	Not Detected
1,2,4-Trimethylbenzene	1.2	2.2	5.9	10
1,3-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.3	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,2,4-Trichlorobenzene	4.8	Not Detected	36	Not Detected
Hexachlorobutadiene	4.8	Not Detected	52	Not Detected
1,1-Difluoroethane	4.8	Not Detected	13	Not Detected

**Container Type: 1 Liter Silonite Canister**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	82	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	103	70-130

# AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0510381-04A

## MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

<b>File Name:</b>	<b>5102909</b>	<b>Date of Collection:</b>	<b>NA</b>
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis:</b>	<b>10/29/05 01:19 PM</b>

<b>Compound</b>	<b>Rpt. Limit (ppbv)</b>	<b>Amount (ppbv)</b>	<b>Rpt. Limit (uG/m3)</b>	<b>Amount (uG/m3)</b>
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

# AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0510381-04A

## MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

<b>File Name:</b>	<b>5102909</b>	<b>Date of Collection:</b> NA
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis:</b> 10/29/05 01:19 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
1,1-Difluoroethane	2.0	Not Detected	5.4	Not Detected

**Container Type: NA - Not Applicable**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	84	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	101	70-130

# AIR TOXICS LTD.

Client Sample ID: CCV

Lab ID#: 0510381-05A

## MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

<b>File Name:</b>	<b>5102903</b>	<b>Date of Collection: NA</b>
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis: 10/29/05 10:55 AM</b>

<b>Compound</b>	<b>%Recovery</b>
Freon 12	97
Freon 114	101
Chloromethane	114
Vinyl Chloride	98
1,3-Butadiene	88
Bromomethane	106
Chloroethane	91
Freon 11	102
Ethanol	86
Freon 113	112
1,1-Dichloroethene	99
Acetone	102
2-Propanol	88
Carbon Disulfide	105
3-Chloropropene	103
Methylene Chloride	97
Methyl tert-butyl ether	83
trans-1,2-Dichloroethene	104
Hexane	98
1,1-Dichloroethane	99
2-Butanone (Methyl Ethyl Ketone)	104
cis-1,2-Dichloroethene	99
Tetrahydrofuran	85
Chloroform	102
1,1,1-Trichloroethane	104
Cyclohexane	103
Carbon Tetrachloride	104
2,2,4-Trimethylpentane	99
Benzene	105
1,2-Dichloroethane	95
Heptane	108
Trichloroethene	105
1,2-Dichloropropane	102
1,4-Dioxane	103
Bromodichloromethane	98
cis-1,3-Dichloropropene	102
4-Methyl-2-pentanone	97
Toluene	108
trans-1,3-Dichloropropene	98
1,1,2-Trichloroethane	106
Tetrachloroethene	113
2-Hexanone	94

# AIR TOXICS LTD.

Client Sample ID: CCV

Lab ID#: 0510381-05A

## MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

<b>File Name:</b>	<b>5102903</b>	<b>Date of Collection: NA</b>
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis: 10/29/05 10:55 AM</b>

<b>Compound</b>	<b>%Recovery</b>
Dibromochloromethane	107
1,2-Dibromoethane (EDB)	107
Chlorobenzene	109
Ethyl Benzene	106
m,p-Xylene	110
o-Xylene	107
Styrene	102
Bromoform	108
Cumene	106
1,1,2,2-Tetrachloroethane	103
Propylbenzene	106
4-Ethyltoluene	108
1,3,5-Trimethylbenzene	103
1,2,4-Trimethylbenzene	104
1,3-Dichlorobenzene	108
1,4-Dichlorobenzene	110
alpha-Chlorotoluene	100
1,2-Dichlorobenzene	110
1,2,4-Trichlorobenzene	96
Hexachlorobutadiene	100
1,1-Difluoroethane	100

**Container Type: NA - Not Applicable**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
1,2-Dichloroethane-d4	87	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	103	70-130

# AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0510381-06A

## MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

<b>File Name:</b>	<b>5102904</b>	<b>Date of Collection: NA</b>
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis: 10/29/05 11:18 AM</b>

<b>Compound</b>	<b>%Recovery</b>
Freon 12	80
Freon 114	80
Chloromethane	74
Vinyl Chloride	77
1,3-Butadiene	93
Bromomethane	89
Chloroethane	72
Freon 11	81
Ethanol	74
Freon 113	90
1,1-Dichloroethene	75
Acetone	106
2-Propanol	82
Carbon Disulfide	107
3-Chloropropene	90
Methylene Chloride	76
Methyl tert-butyl ether	94
trans-1,2-Dichloroethene	109
Hexane	95
1,1-Dichloroethane	75
2-Butanone (Methyl Ethyl Ketone)	102
cis-1,2-Dichloroethene	102
Tetrahydrofuran	81
Chloroform	79
1,1,1-Trichloroethane	74
Cyclohexane	101
Carbon Tetrachloride	77
2,2,4-Trimethylpentane	103
Benzene	82
1,2-Dichloroethane	71
Heptane	109
Trichloroethene	82
1,2-Dichloropropane	76
1,4-Dioxane	98
Bromodichloromethane	93
cis-1,3-Dichloropropene	77
4-Methyl-2-pentanone	88
Toluene	87
trans-1,3-Dichloropropene	84
1,1,2-Trichloroethane	83
Tetrachloroethene	92
2-Hexanone	79

# AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0510381-06A

## MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

<b>File Name:</b>	<b>5102904</b>	<b>Date of Collection:</b> NA
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis:</b> 10/29/05 11:18 AM

<b>Compound</b>	<b>%Recovery</b>
Dibromochloromethane	98
1,2-Dibromoethane (EDB)	85
Chlorobenzene	86
Ethyl Benzene	85
m,p-Xylene	88
o-Xylene	80
Styrene	98
Bromoform	92
Cumene	85
1,1,2,2-Tetrachloroethane	77
Propylbenzene	96
4-Ethyltoluene	90
1,3,5-Trimethylbenzene	74
1,2,4-Trimethylbenzene	78
1,3-Dichlorobenzene	78
1,4-Dichlorobenzene	79
alpha-Chlorotoluene	92
1,2-Dichlorobenzene	79
1,2,4-Trichlorobenzene	70
Hexachlorobutadiene	79
1,1-Difluoroethane	Not Spiked

**Container Type: NA - Not Applicable**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
1,2-Dichloroethane-d4	89	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	103	70-130